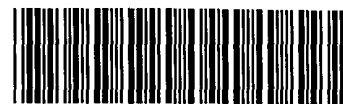


#2



OIPE

RAW SEQUENCE LISTING

DATE: 02/25/2002

PATENT APPLICATION: US/10/052,664

TIME: 11:25:06

Input Set : N:\Crf3\RULE60\10052664.txt

Output Set: N:\CRF3\02252002\J052664.raw

4 <110> APPLICANT: Cannon, Paul David
 5 Sankuratri, Suryanarayana
 7 <120> TITLE OF INVENTION: Human Intestinal Npt2B
 10 <130> FILE REFERENCE: ROCH-001
 12 <140> CURRENT APPLICATION NUMBER: 10/052,664
 14 <141> CURRENT FILING DATE: 2002-01-17
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 18 <151> PRIOR FILING DATE: 2000-02-08
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 22 <151> PRIOR FILING DATE: 1999-02-09
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 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 689
 30 <212> TYPE: PRT
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 36 Tyr Leu Glu Gly Ala Ala Gly Gln Gln Pro Thr Ala Pro Asp Lys Ser
 37 20 25 30
 38 Lys Glu Thr Asn Lys Asn Asn Thr Glu Ala Pro Val Thr Lys Ile Glu
 39 35 40 45
 40 Leu Leu Pro Ser Tyr Ser Thr Ala Thr Leu Ile Asp Glu Pro Thr Glu
 41 50 55 60
 42 Val Asp Asp Pro Trp Asn Leu Pro Thr Leu Gln Asp Ser Gly Ile Lys
 43 65 70 75 80
 44 Trp Ser Glu Arg Asp Thr Lys Gly Lys Ile Leu Cys Phe Phe Gln Gly
 45 85 90 95
 46 Ile Gly Arg Leu Ile Leu Leu Leu Gly Phe Leu Tyr Phe Phe Val Cys
 47 100 105 110
 48 Ser Leu Asp Ile Leu Ser Ser Ala Phe Gln Leu Val Gly Gly Lys Met
 49 115 120 125
 50 Ala Gly Gln Phe Phe Ser Asn Ser Ser Ile Met Ser Asn Pro Leu Leu
 51 130 135 140
 52 Gly Leu Val Ile Gly Val Leu Val Thr Val Leu Val Gln Ser Ser Ser
 53 145 150 155 160
 54 Thr Ser Thr Ser Ile Val Val Ser Met Val Ser Ser Ser Leu Leu Thr
 55 165 170 175
 56 Val Arg Ala Ala Ile Pro Ile Ile Met Gly Ala Asn Ile Gly Thr Ser
 57 180 185 190
 58 Ile Thr Asn Thr Ile Val Ala Leu Met Gln Val Gly Asp Arg Ser Glu
 59 195 200 205

ENTERED

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Input Set : N:\Crif3\RULE60\10052664.txt

Output Set: N:\CRF3\02252002\J052664.raw

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62 Leu Ser Val Leu Val Leu Leu Pro Val Glu Val Ala Thr His Tyr Leu
63 225      230      235      240
64 Glu Ile Ile Thr Gln Leu Ile Val Glu Ser Phe His Phe Lys Asn Gly
65      245      250      255
66 Glu Asp Ala Pro Asp Leu Leu Lys Val Ile Thr Lys Pro Phe Thr Lys
67      260      265      270
68 Leu Ile Val Gln Leu Asp Lys Lys Val Ile Ser Gln Ile Ala Met Asn
69      275      280      285
70 Asp Glu Lys Ala Lys Asn Lys Ser Leu Val Lys Ile Trp Cys Lys Thr
71      290      295      300
72 Phe Thr Asn Lys Thr Gln Ile Asn Val Thr Val Pro Ser Thr Ala Asn
73 305      310      315      320
74 Cys Thr Ser Pro Ser Leu Cys Trp Thr Asp Gly Ile Gln Asn Trp Thr
75      325      330      335
76 Met Lys Asn Val Thr Tyr Lys Glu Asn Ile Ala Lys Cys Gln His Ile
77      340      345      350
78 Phe Val Asn Phe His Leu Pro Asp Leu Ala Val Gly Thr Ile Leu Leu
79      355      360      365
80 Ile Leu Ser Leu Leu Val Leu Cys Gly Cys Leu Ile Met Ile Val Lys
81      370      375      380
82 Ile Leu Gly Ser Val Leu Lys Gly Gln Val Ala Thr Val Ile Lys Lys
83 385      390      395      400
84 Thr Ile Asn Thr Asp Phe Pro Phe Pro Phe Ala Trp Leu Thr Gly Tyr
85      405      410      415
86 Leu Ala Ile Leu Val Gly Ala Gly Met Thr Phe Ile Val Gln Ser Ser
87      420      425      430
88 Ser Val Phe Thr Ser Ala Leu Thr Pro Leu Ile Gly Ile Gly Val Ile
89      435      440      445
90 Thr Ile Glu Arg Ala Tyr Pro Leu Thr Leu Gly Ser Asn Ile Gly Thr
91      450      455      460
92 Thr Thr Thr Ala Ile Leu Ala Ala Leu Ala Ser Pro Gly Asn Ala Leu
93 465      470      475      480
94 Arg Ser Ser Leu Gln Ile Ala Leu Cys His Phe Phe Phe Asn Ile Ser
95      485      490      495
96 Gly Ile Leu Leu Trp Tyr Pro Ile Pro Phe Thr Arg Leu Pro Ile Arg
97      500      505      510
98 Met Ala Lys Gly Leu Gly Asn Ile Ser Ala Lys Tyr Arg Trp Phe Ala
99      515      520      525
100 Val Phe Tyr Leu Ile Ile Phe Phe Phe Leu Ile Pro Leu Thr Val Phe
101      530      535      540
102 Gly Leu Ser Leu Ala Gly Trp Arg Val Leu Val Gly Val Gly Val Pro
103 545      550      555      560
104 Val Val Phe Ile Ile Ile Leu Val Leu Cys Leu Arg Leu Leu Gln Ser
105      565      570      575
106 Arg Cys Pro Arg Val Leu Pro Lys Lys Leu Gln Asn Trp Asn Phe Leu
107      580      585      590
108 Pro Leu Trp Met Arg Ser Leu Lys Pro Trp Asp Ala Val Val Ser Lys

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RAW SEQUENCE LISTING

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Input Set : N:\Crf3\RULE60\10052664.txt

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112	Cys Arg Ala Cys Cys Leu Leu Cys Gly Cys Pro Lys Cys Cys Arg Cys		
113	625	630	635
114	Ser Lys Cys Cys Glu Asp Leu Glu Glu Ala Gln Glu Gly Gln Asp Val		
115	645	650	655
116	Pro Val Lys Ala Pro Glu Thr Phe Asp Asn Ile Thr Ile Ser Arg Glu		
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132	aacttctgcc	gtcctactcc	acggctacac
133	cctggaacct	acccactctt	caggactcgg
134	ggaagattct	ctgtttcttc	caagggattg
135	actttttcgt	gtgtccctcg	gatattctta
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Input Set : N:\Crf3\RULE60\10052664.txt

Output Set: N:\CRF3\02252002\J052664.raw

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163	ccattagcag	agaggctcag	ggtgagggtcc	ctgcctcgga	ctcaaagacc	gaatgcacgg	2100
164	ccttgtaggg	gacgccccag	attgtcaggg	atggggggat	ggtccttgag	ttttgcatgc	2160
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/052,664

DATE: 02/25/2002

TIME: 11:25:07

Input Set : N:\Crf3\RULE60\10052664.txt

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